

Appl. No. 10/750,024
Amdt. Dated August 23, 2006
Reply to Advisory Action of July 19, 2006

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A light guide plate for introducing light beams from a light source into a liquid crystal display, comprising:

an incident surface for introducing light beams into the light guide plate;

an emitting surface for uniformly transmitting light beams out from the light guide plate;

a bottom surface opposite to the emitting surface for reflecting the light beams in directions toward the emitting surface; and

a color filter disposed on and adjacent to the emitting surface, the color filter comprising a color layer for a full color display and a light shielding film, the light shielding film on covering the color layer, the light shielding film being configured for shielding ultraviolet wavelength light beams and for thereby preventing propagation of such ultraviolet wavelength light beams to the color layer.

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Claim 2 (original) The light guide plate of claim 1, wherein the color filter further comprises a black matrix having a lattice pattern.

Claim 3 (canceled)

Claim 4 (previously presented) The light guide plate of claim 1, wherein the color layer is formed by a plurality of color filter elements of red (R), green (G), and blue (B) arranged in a predetermined pattern.

Claim 5 (original) The light guide plate of claim 4, wherein the color filter elements fill spaces defined in the black matrix.

Claim 6 (original) The light guide plate of claim 4, wherein the color filter elements are arranged in a deltoid pattern, a striped pattern, or a mosaic pattern.

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Claim 7 (original) The light guide plate of claim 1, further comprising a plurality of scattering dots formed on the bottom surface, for reflecting and scattering light beams in directions toward the light emitting surface.

Claim 8 (currently amended) A surface light source comprising:

a light source;

a light guide plate for transmitting light beams received from the light source, comprising : an incident surface for receiving light beams; an emitting surface for transmitting the light beams; and a bottom surface opposite to the emitting surface for reflecting the light beams in a color filter disposed on and adjacent to the emitting surface of the light guide plate, the color filter comprising a color layer for a full color display and a light shielding film, the light shielding film ~~on~~ covering the color layer, the light shielding film being configured for shielding the color layer from ultraviolet wavelength light beams and for thereby preventing propagation of such ultraviolet wavelength light beams to the color layer.

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Claim 9 (original) The surface light source of claim 8, wherein the color filter further comprises a black matrix having a lattice pattern.

Claim 10 (canceled)

Claim 11 (previously presented) The surface light source of claim 8, wherein the color layer is formed by a plurality of color filter elements of red (R), green (G), and blue (B) arranged in a predetermined pattern.

Claim 12 (original) The surface light source of claim 11, wherein the color filter elements fill spaces defined by the black matrix.

Claim 13 (original) The surface light source of claim 11, wherein the color filter elements are arranged in a deltoid pattern, a striped pattern, or a mosaic pattern.

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Claim 14 (original) The surface light source of claim 8, wherein the light guide plate further comprises a plurality of scattering dots formed on the bottom surface for reflecting and scattering light beams toward the light emitting surface.

Claim 15 (original) The surface light source of claim 8, wherein the light source is a cold cathode fluorescent lamp or a light emitting diode.

Claim 16 (currently amended) A surface light source system comprising:

a liquid crystal panel; and

a backlight source including:

a light source;

a light guide plate located beside said light source and defining an incident surface for receiving light beams, an emitting surface for transmitting the light beams; wherein

a color filter is disposed between the back light source and the liquid

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crystal panel, the color filter being adjacent to the emitting surface of said light guide plate, the color filter comprising a color layer for a full color display and a light shielding film, the light shielding film on covering the color layer, the light shielding film being configured for shielding the color layer from ultraviolet wavelength light beams and for thereby preventing propagation of such ultraviolet wavelength light beams to the color layer.

Claim 17 (currently amended) The surface light source system of claim 16, wherein said light guide plate further includes a reflection bottom surface for reflecting the light beams toward the emitting surface.

Claim 18 (new) The surface light source system of claim 17, wherein the light guide plate further comprises a plurality of scattering dots formed on the bottom surface for reflecting and scattering light beams toward the light emitting surface.

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Claim 19 (new) The surface light source system of claim 17,
wherein sizes of the scattering dots increase with increasing distance
away from the light incident surface.

Claim 20 (new) The surface light source system of claim 20,
wherein a density of distribution of the scattering dots increase
exponentially with increasing distance away from the light incident
surface.